# Equivalent Fractions

**Purpose:**
The purpose of this activity is to help your child to practice finding equivalent fractions for numbers up to 100.

**Link to the Number Framework:**
Place value, Stage 7 – 8

**What you need:**
Game cards. You can print these or make your own.

**What to do:**
Print off the cards and cut them out keeping them in two piles.
Ask your child to try and match up the fractions.
Start by asking:

- *Which fraction is the same as ½ ?*
- *What fraction has a numerator (top number) half the size as the denominator (bottom number)?*

Next match up the quarters, then the fifths and tenths.

**What to expect your child to do:**

- To be able to find equivalent fractions for thirds, quarters, fifths and tenths by looking at the relationship between the numerator and denominator.

**Variations:**
Write equivalent fractions for quarters, fifths and tenths over a denominator of 100.
For example ¼ = 25/100
Write equivalent fractions for quarters, fifths and tenths over a denominator of 1000.
Write equivalent fractions for thirds, quarters, fifths and tenths over a denominator of 60.

**He Kupu Māori:**

| | |
|---|---|
| half | haurua |
| third | hautoru |
| quarter | hauwhā |
| one half | kotahi haurua |
| two thirds | rua hautoru |
| three quarters | toru hauwhā |
| fraction | hautau |

| | | | | |
|---|---|---|---|---|
| $\frac{1}{4}$ | $\frac{2}{4}$ | $\frac{3}{4}$ | $\frac{1}{3}$ | $\frac{2}{3}$ |
| $\frac{1}{5}$ | $\frac{2}{5}$ | $\frac{3}{5}$ | $\frac{4}{5}$ | $\frac{1}{10}$ |
| $\frac{2}{10}$ | $\frac{3}{10}$ | $\frac{4}{10}$ | $\frac{5}{10}$ | $\frac{6}{10}$ |
| $\frac{7}{10}$ | $\frac{8}{10}$ | $\frac{9}{10}$ | $\frac{1}{2}$ | |

| | | | | |
|---|---|---|---|---|
| $\frac{25}{100}$ | $\frac{30}{60}$ | $\frac{45}{60}$ | $\frac{20}{60}$ | $\frac{60}{90}$ |
| $\frac{20}{100}$ | $\frac{20}{50}$ | $\frac{15}{25}$ | $\frac{16}{20}$ | $\frac{3}{30}$ |
| $\frac{8}{40}$ | $\frac{21}{70}$ | $\frac{8}{20}$ | $\frac{15}{30}$ | $\frac{24}{40}$ |
| $\frac{35}{50}$ | $\frac{8}{10}$ | $\frac{45}{50}$ | $\frac{35}{70}$ | |